

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P1129R1	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 98/ 14552	International filing date (day/month/year) 14/07/1998	(Earliest) Priority Date (day/month/year) 26/08/1997
Applicant GENENTECH, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (see Box I).
2. ☐ Unity of invention is lacking (see Box II).
3. ☒ The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
 - ☒ filed with the international application.
 - ☐ furnished by the applicant separately from the international application,
 - ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
 - ☐ Transcribed by this Authority
4. With regard to the title, ☒ the text is approved as submitted by the applicant
 - ☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract, ☒ the text is approved as submitted by the applicant
 - ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International Search Report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:
 - Figure No. ☐ as suggested by the applicant.
 - ☐ because the applicant failed to suggest a figure.
 - ☐ because this figure better characterizes the invention.
 - ☒ None of the figures.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/00 C07K14/705 C07K16/28 C07K19/00 A61K38/00
A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	DEGLI ESPOSITI M.A. ET AL.: "The novel receptor TRAIL-R4 induces NF-kappaB and protects against TRAIL-mediated apoptosis, yet retains an incomplete death domain" IMMUNITY, vol. 7, no. 6, 7 December 1997, pages 813-820, XP002087442 US see the whole document ---	1-9, 15, 16, 20-29, 34, 36
X, P	MARSTERS S.A. ET AL.: "A novel receptor for Apo2L/TRAIL contains a truncated death domain" CURRENT BIOLOGY, vol. 7, no. 12, December 1997, pages 1003-1006, XP002087443 GB see the whole document ---	1-9, 15, 16, 20-29, 34, 36

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
 "&" document member of the same patent family

Date of the actual completion of the international search

10 December 1998

Date of mailing of the international search report

12/01/1999

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	PAN G. ET AL.: "TRUDD, a new member of the trail receptor family that antagonizes TRAIL signalling" FEBS LETTERS, vol. 424, no. 1-2, 6 March 1998, pages 41-45, XP002087444 AMSTERDAM NL see the whole document ----	1-9,15, 16, 20-29, 34,36
A	US 5 447 851 A (BEUTLER BRUCE A ET AL) 5 September 1995 see abstract see column 4, line 47 - column 9, line 24 see figures 1,2 ----	12-14,34
A,P	SCHNEIDER P ET AL: "CHARACTERIZATION OF TWO RECEPTORS FOR TRAIL" FEBS LETTERS, vol. 416, 27 October 1997, pages 329-334, XP002065022 see the whole document ----	1-9,15, 16, 20-29, 34,36
A,P	MACFARLAND M ET AL: "IDENTIFICATION AND MOLECULAR CLONING OF TWO NOVEL RECEPTORS FOR THE CYTOTOXIC LIGAND TRAIL" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 272, no. 41, 10 October 1997, pages 25417-25420, XP002065148 see the whole document ----	1-9,15, 16, 20-29, 34,36
A	SHERIDAN J P ET AL: "CONTROL OF TRAIL-INDUCED APOPTOSIS BY A FAMILY OF SIGNALING AND DECOY RECEPTORS" SCIENCE, vol. 277, 8 August 1997, pages 818-821, XP002065023 see the whole document ----	1-9,15, 16, 20-29, 34,36
A	PAN G ET AL: "AN ANTAGONIST DECOY RECEPTOR AND A DEATH DOMAIN-CONTAINING RECEPTOR FOR TRAIL" SCIENCE, vol. 277, 8 August 1997, pages 815-818, XP002065147 see the whole document -----	1-9,15, 16, 20-29, 34,36

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5447851	A	05-09-1995	NONE